

FIG. 1A

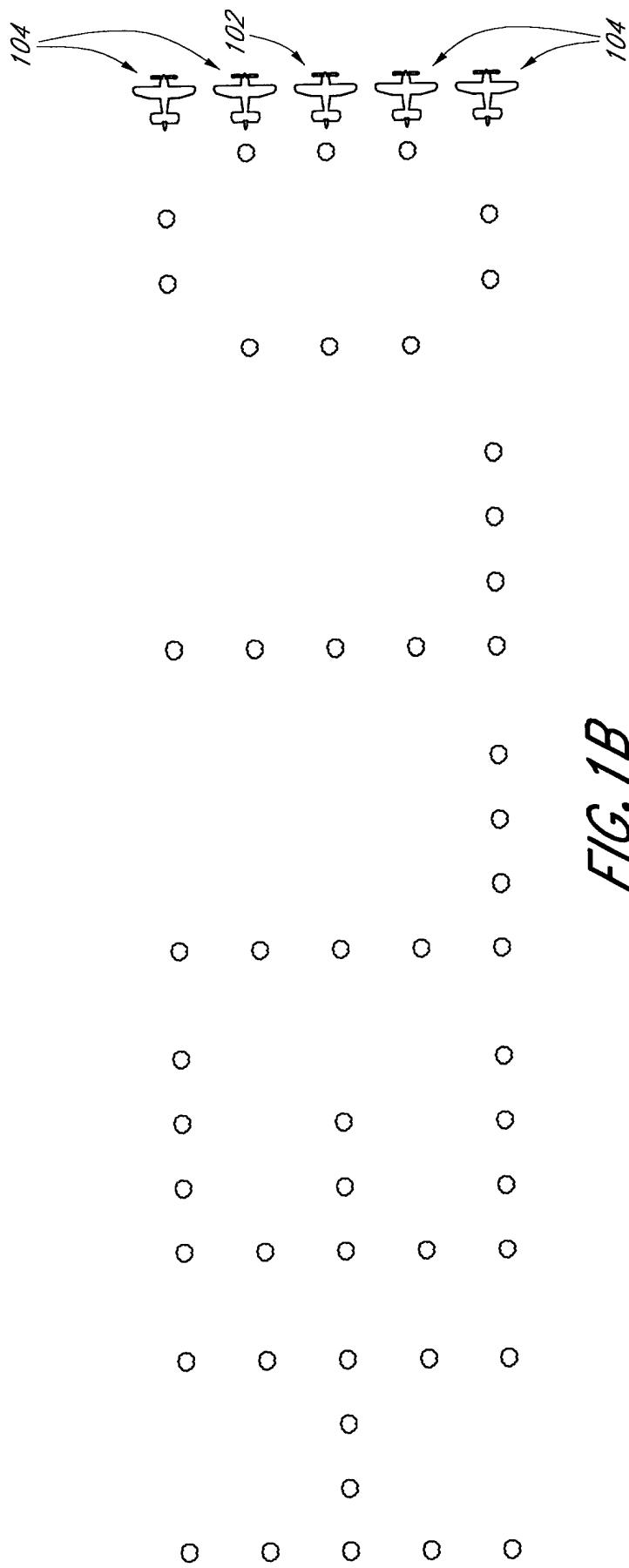


FIG. 1B

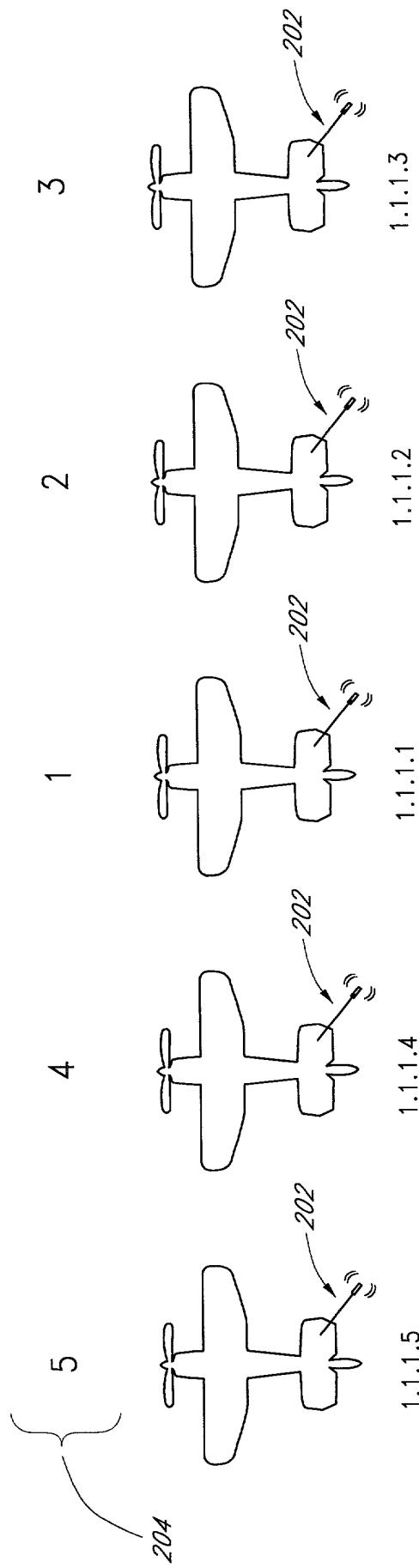


FIG. 2

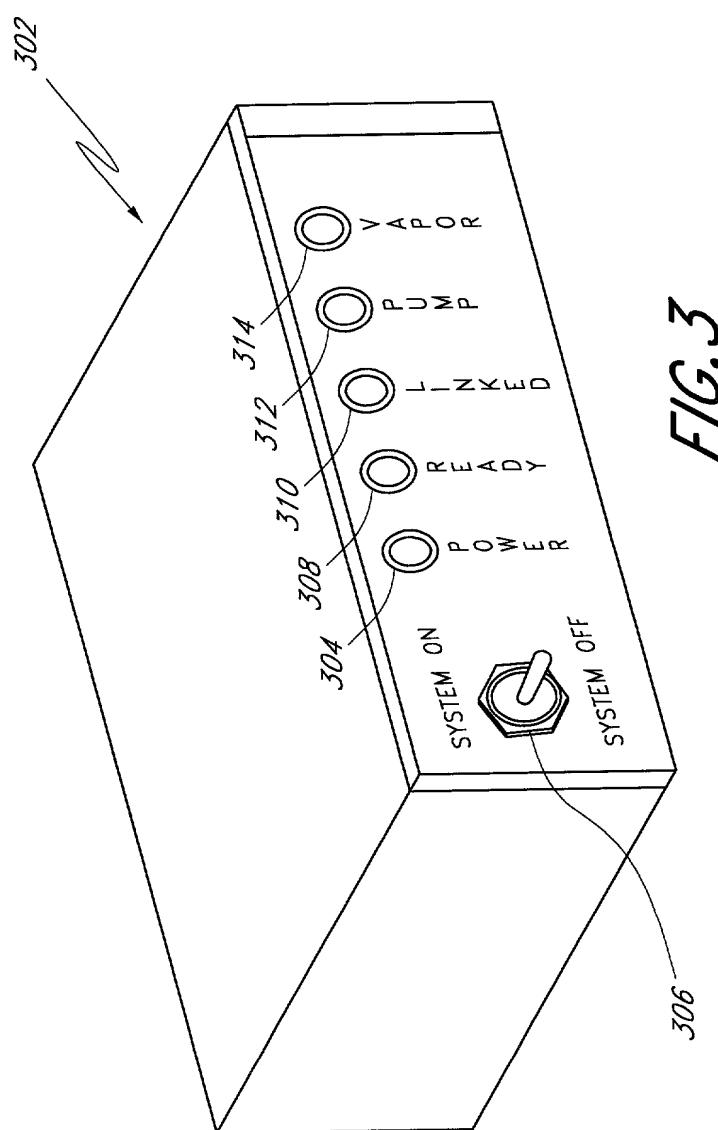


FIG. 3

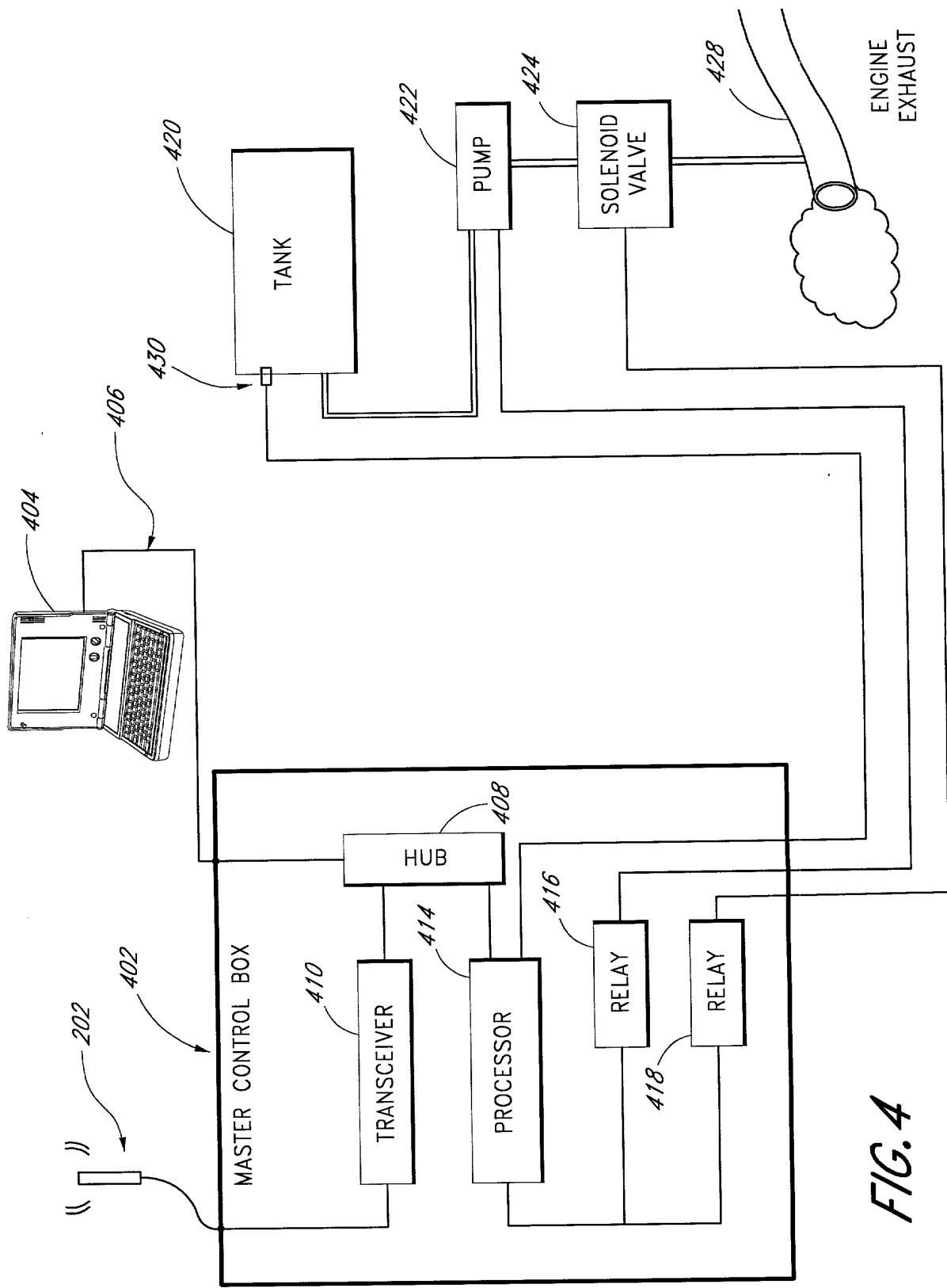


FIG. 4

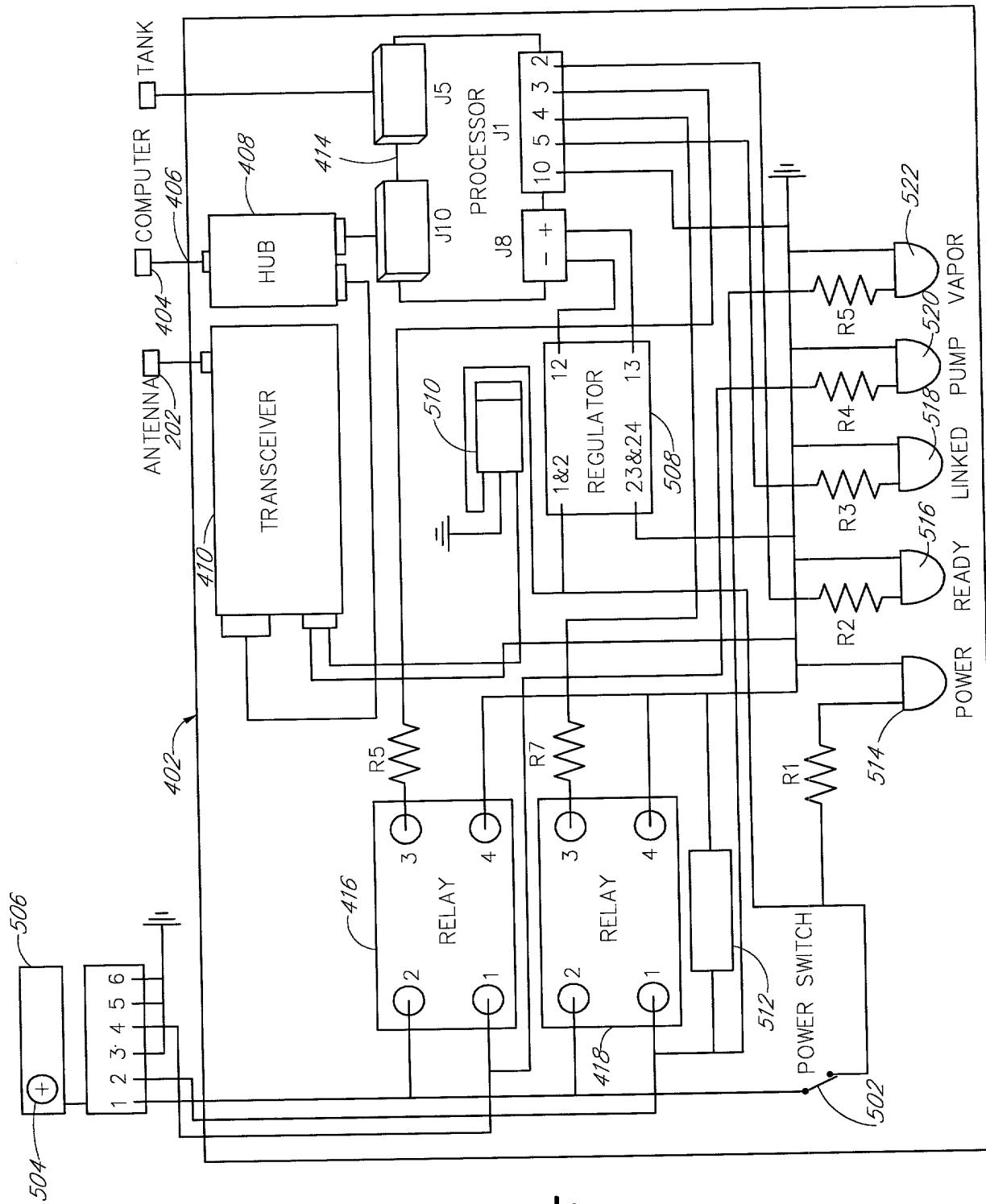


FIG. 5

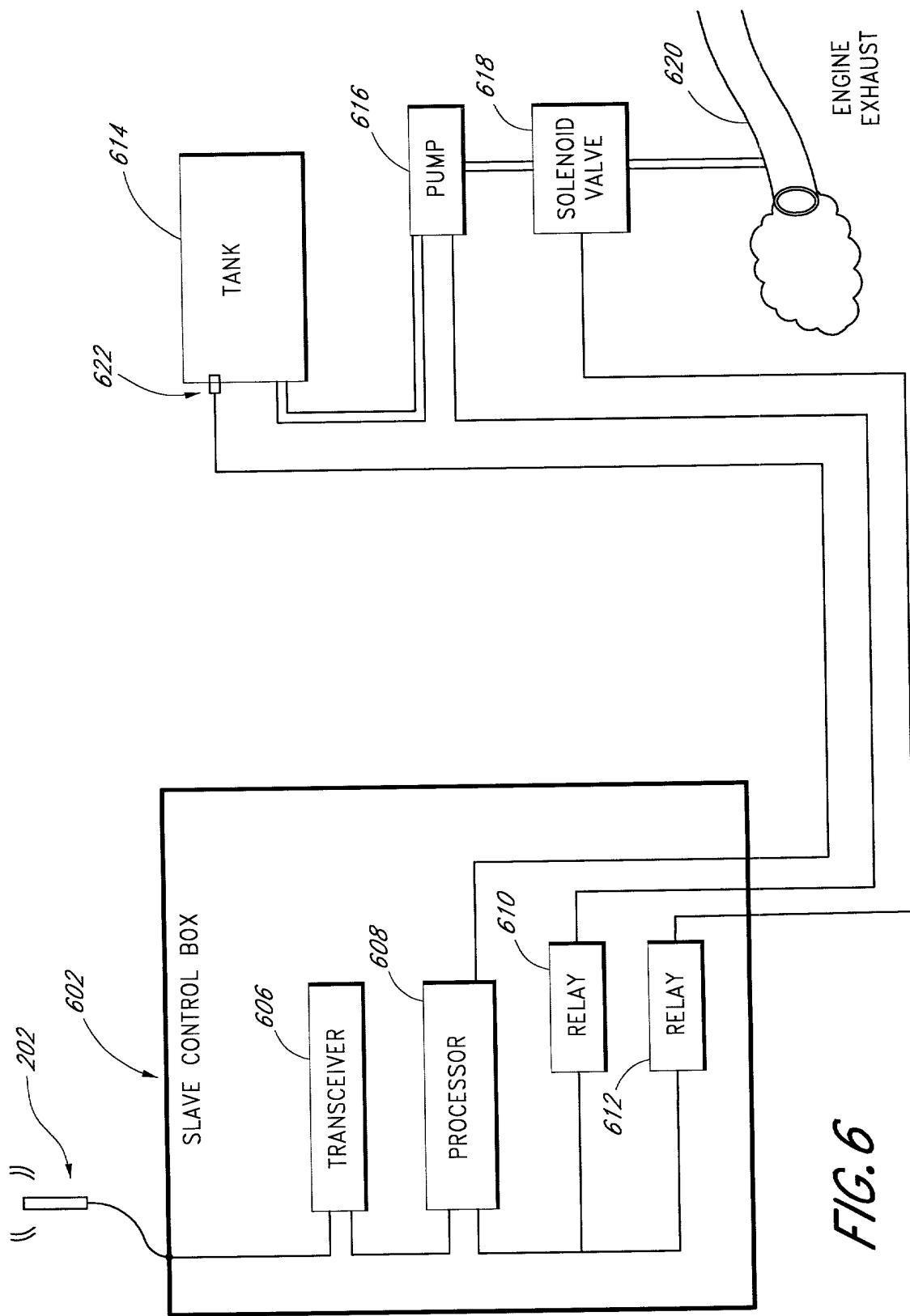


FIG. 6

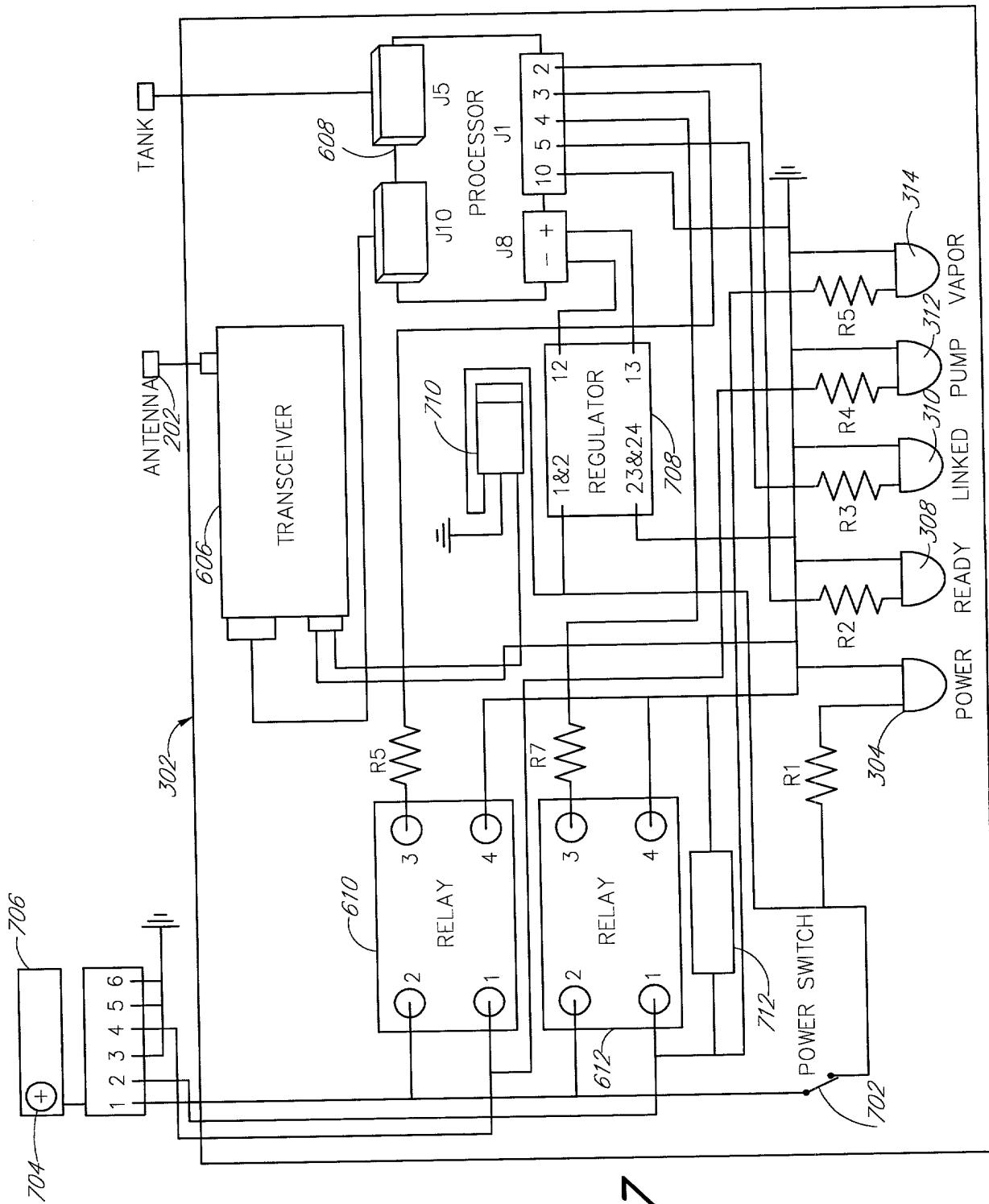
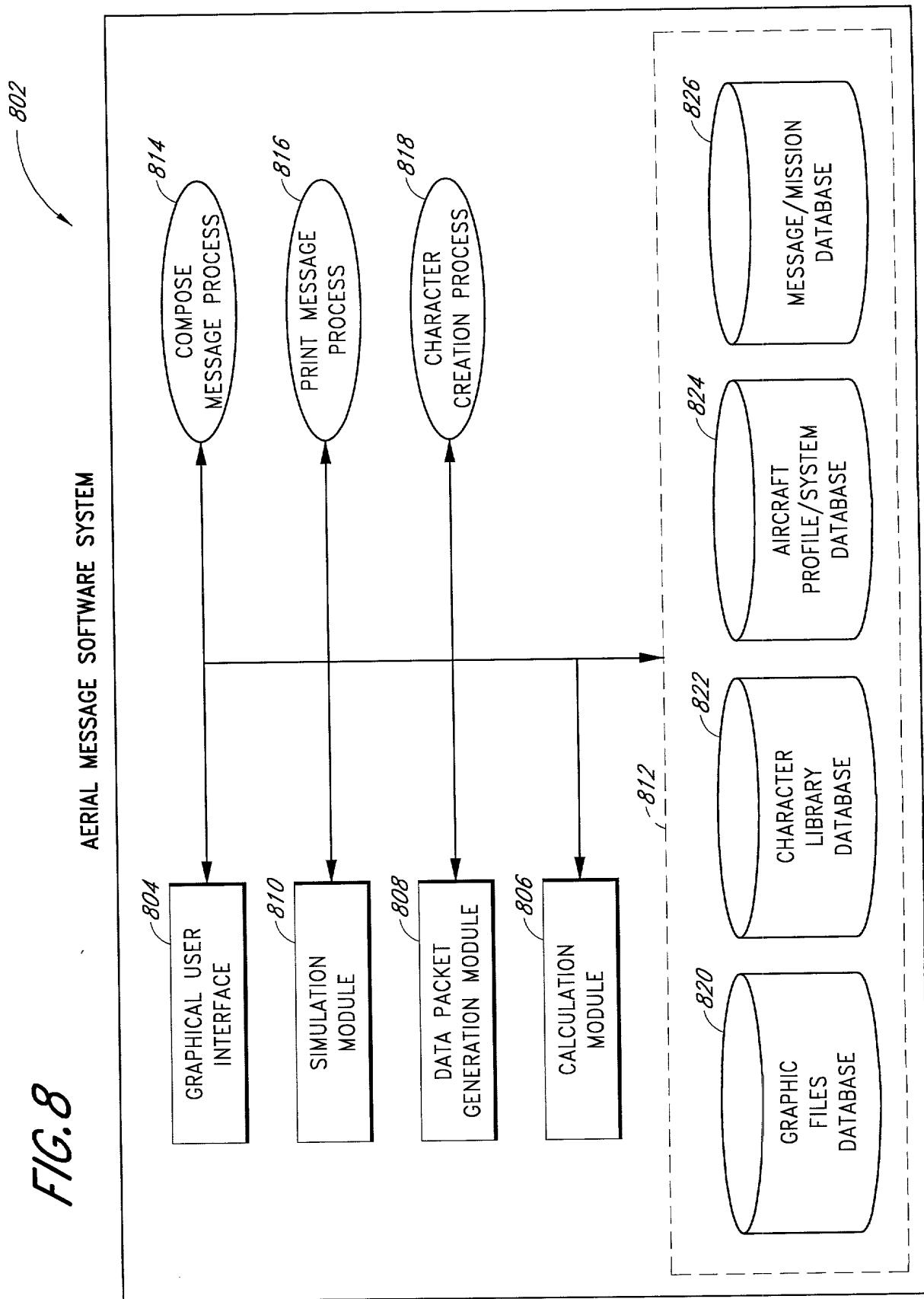


FIG. 7

FIG. 8

AERIAL MESSAGE SOFTWARE SYSTEM



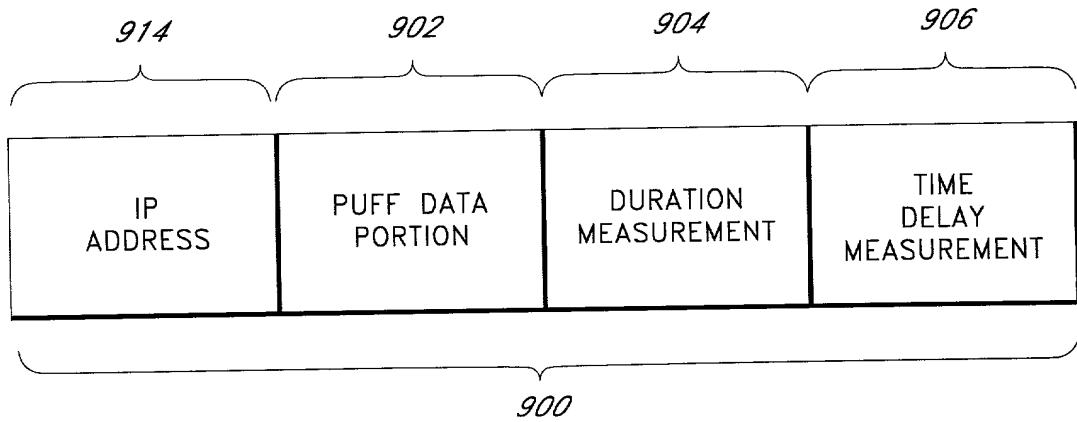


FIG. 9A

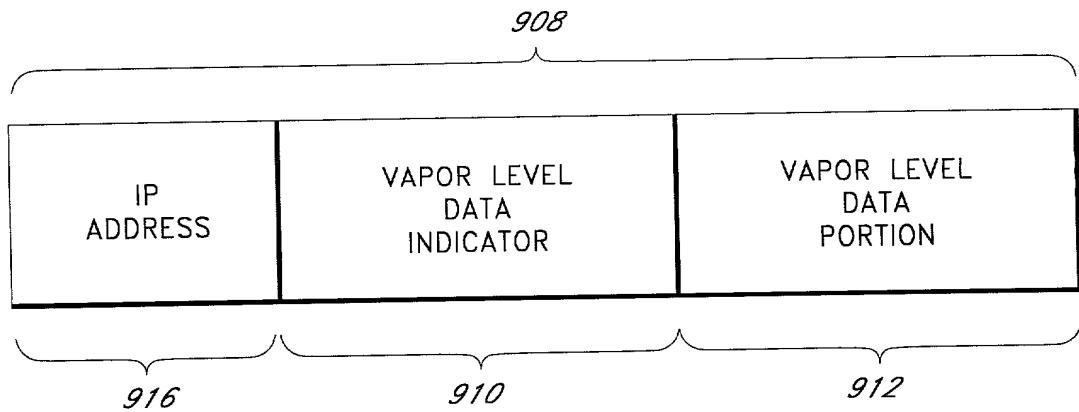


FIG. 9B

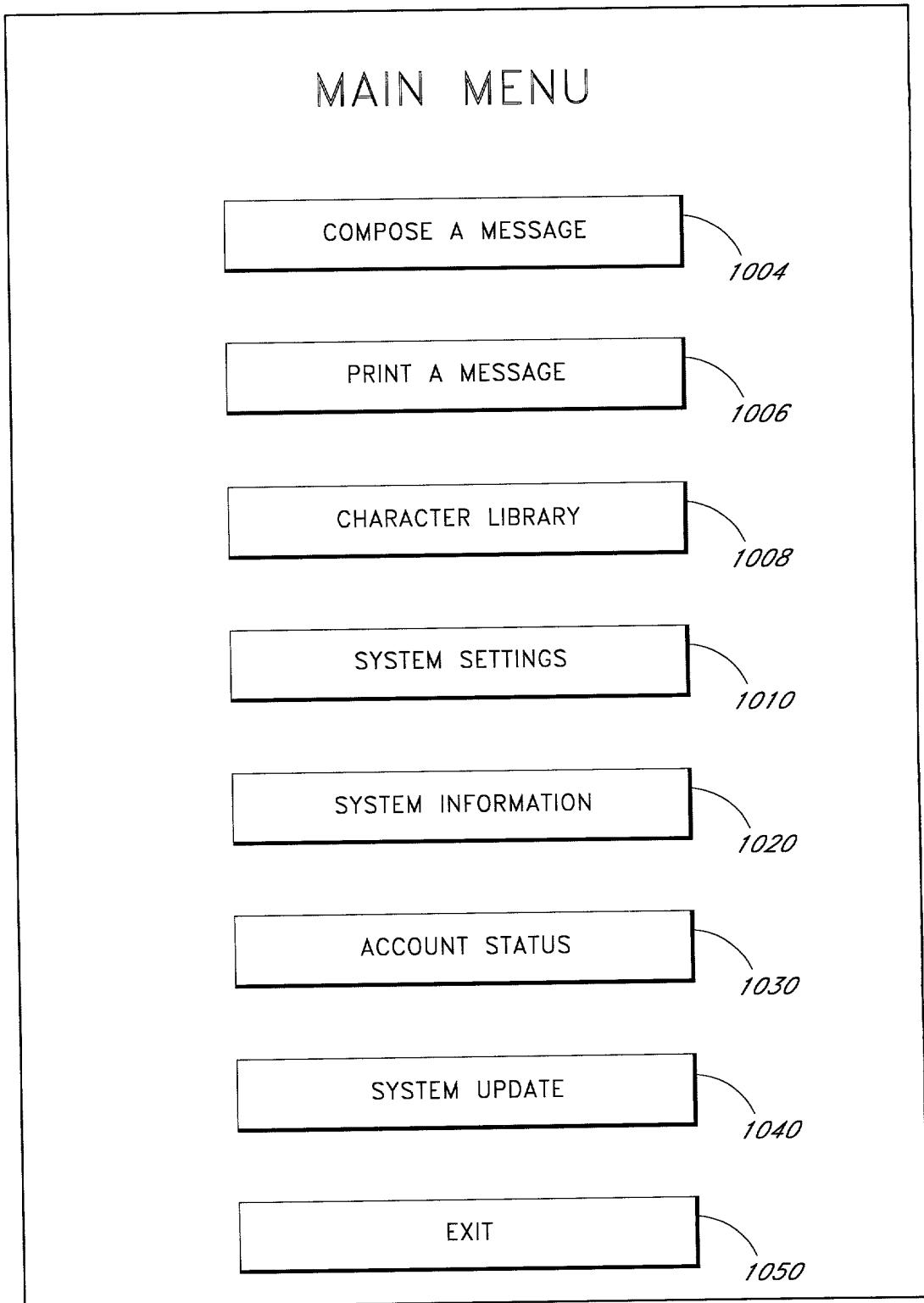
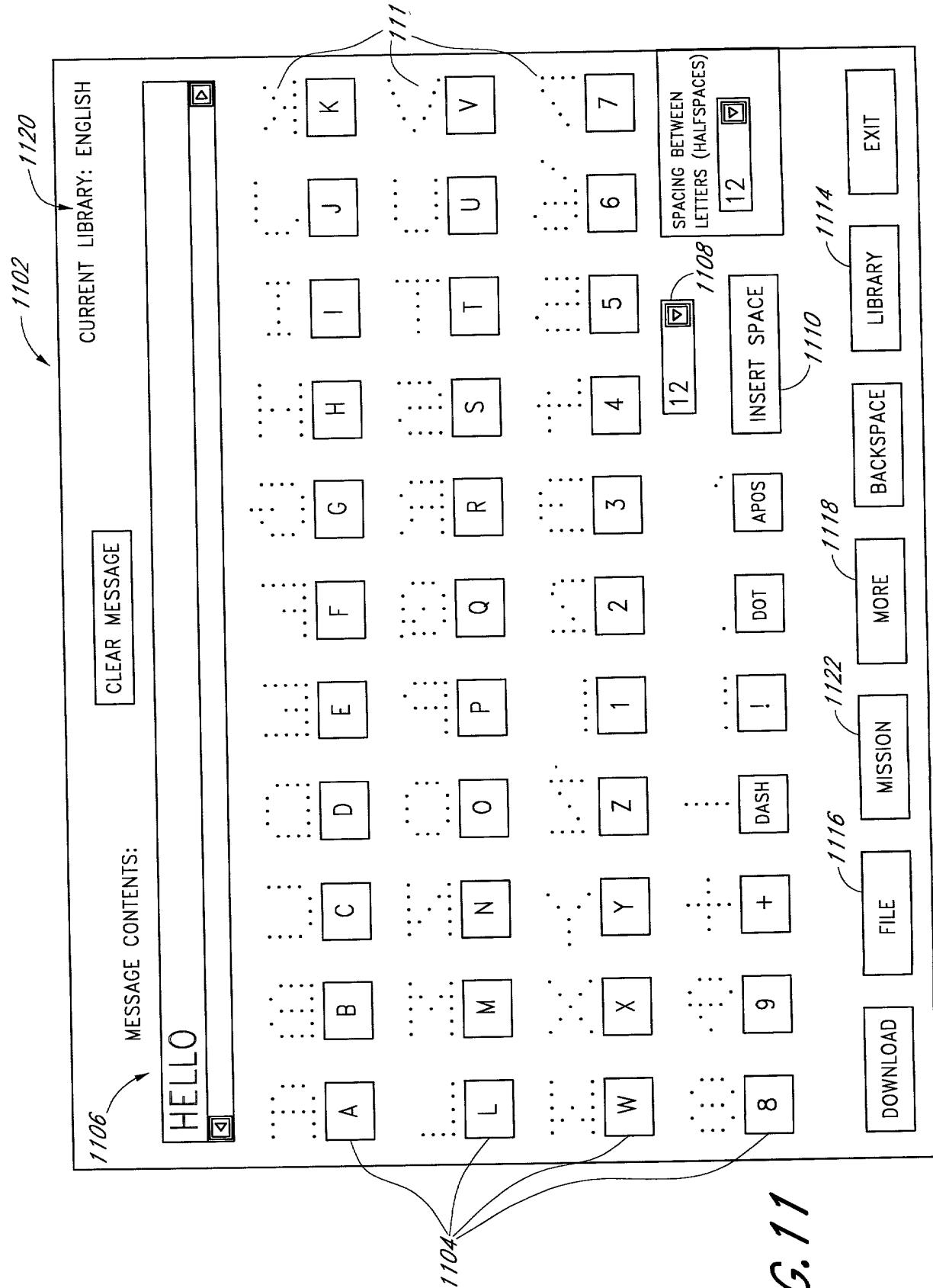


FIG. 10



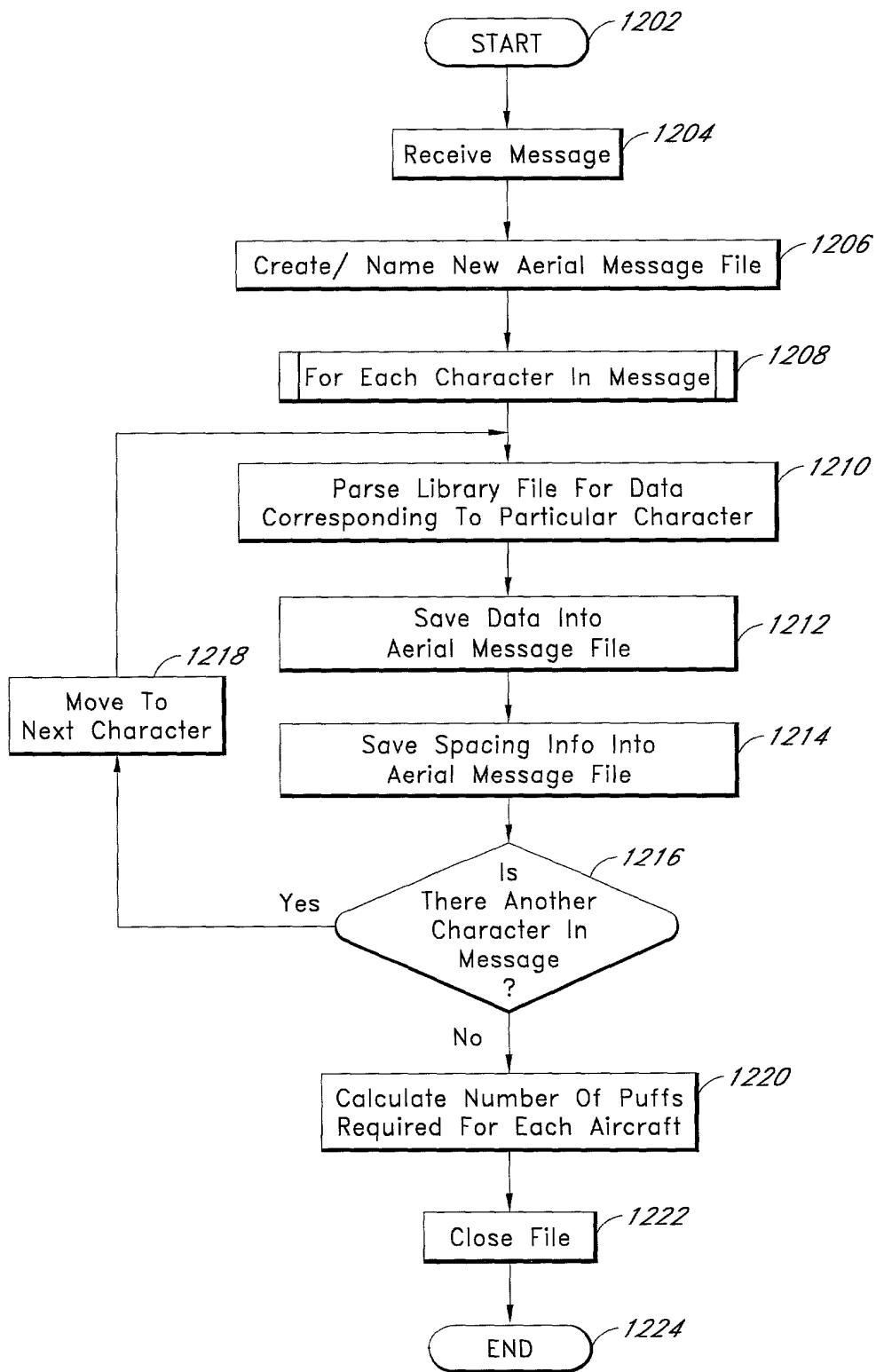


FIG. 12

1302

| |
|-------------|
| A,1,1,1,1,0 |
| A,0,0,1,0,1 |
| A,0,0,1,0,1 |
| A,1,1,1,1,0 |
| B,0,1,0,1,0 |
| B,1,0,1,0,1 |
| B,1,0,1,0,1 |
| B,1,0,1,0,1 |
| B,1,1,1,1,1 |
| ⋮ |
| H,1,1,1,1,1 |
| H,0,0,1,0,0 |
| H,0,0,1,0,0 |
| H,1,1,1,1,1 |
| ⋮ |
| E,1,0,0,0,1 |
| E,1,0,1,0,1 |
| E,1,0,1,0,1 |
| E,1,1,1,1,1 |
| ⋮ |

FIG. 13

1402

| | | | | |
|-----------|--|--|--|--|
| 1,1,1,1,1 | | | | |
| 0,0,1,0,0 | | | | |
| 0,0,1,0,0 | | | | |
| 1,1,1,1,1 | | | | |
| 0,0,0,0,0 | | | | |
| 0,0,0,0,0 | | | | |
| 0,0,0,0,0 | | | | |
| 0,0,0,0,0 | | | | |
| 1404 { | | | | |
| 1,0,0,0,1 | | | | |
| 1,0,1,0,1 | | | | |
| 1,0,1,0,1 | | | | |
| 1,1,1,1,1 | | | | |
| 0,0,0,0,0 | | | | |
| 0,0,0,0,0 | | | | |
| 0,0,0,0,0 | | | | |
| 0,0,0,0,0 | | | | |
| 0,0,0,0,0 | | | | |
| 1,0,0,0,0 | | | | |
| 1,0,0,0,0 | | | | |
| 1,0,0,0,0 | | | | |
| 1,1,1,1,1 | | | | |
| 0,0,0,0,0 | | | | |
| 0,0,0,0,0 | | | | |
| 0,0,0,0,0 | | | | |
| 0,0,0,0,0 | | | | |
| 1,0,0,0,0 | | | | |
| 1,0,0,0,0 | | | | |
| 1,0,0,0,0 | | | | |
| 1,1,1,1,1 | | | | |
| 0,0,0,0,0 | | | | |
| 0,0,0,0,0 | | | | |
| 0,0,0,0,0 | | | | |
| 0,0,0,0,0 | | | | |
| 0,0,0,0,0 | | | | |
| 0,1,1,1,0 | | | | |
| 1,0,0,0,1 | | | | |
| 1,0,0,0,1 | | | | |
| 0,1,1,1,0 | | | | |
| ⋮ | | | | |
| ⋮ | | | | |

FIG. 14

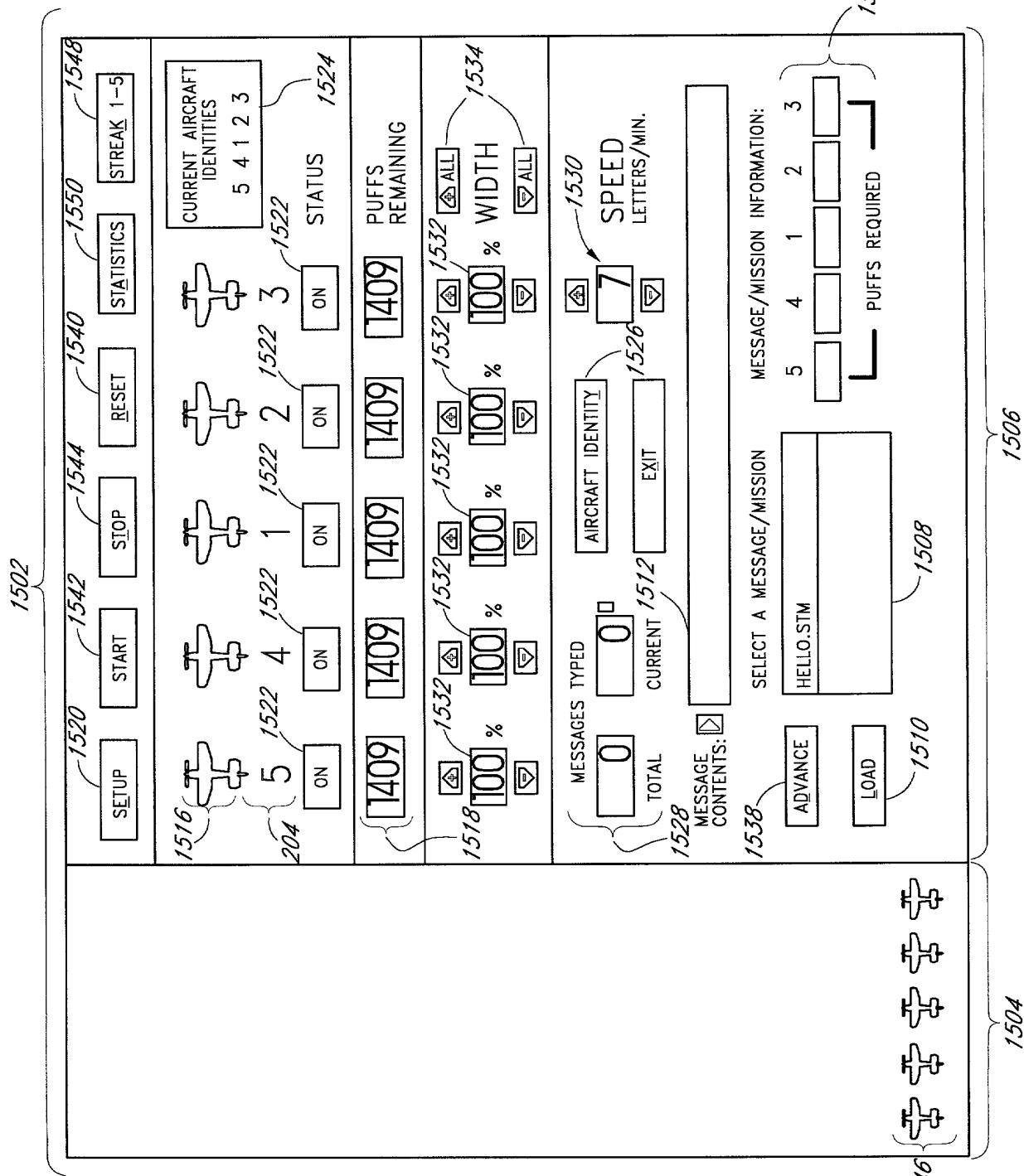


FIG. 15

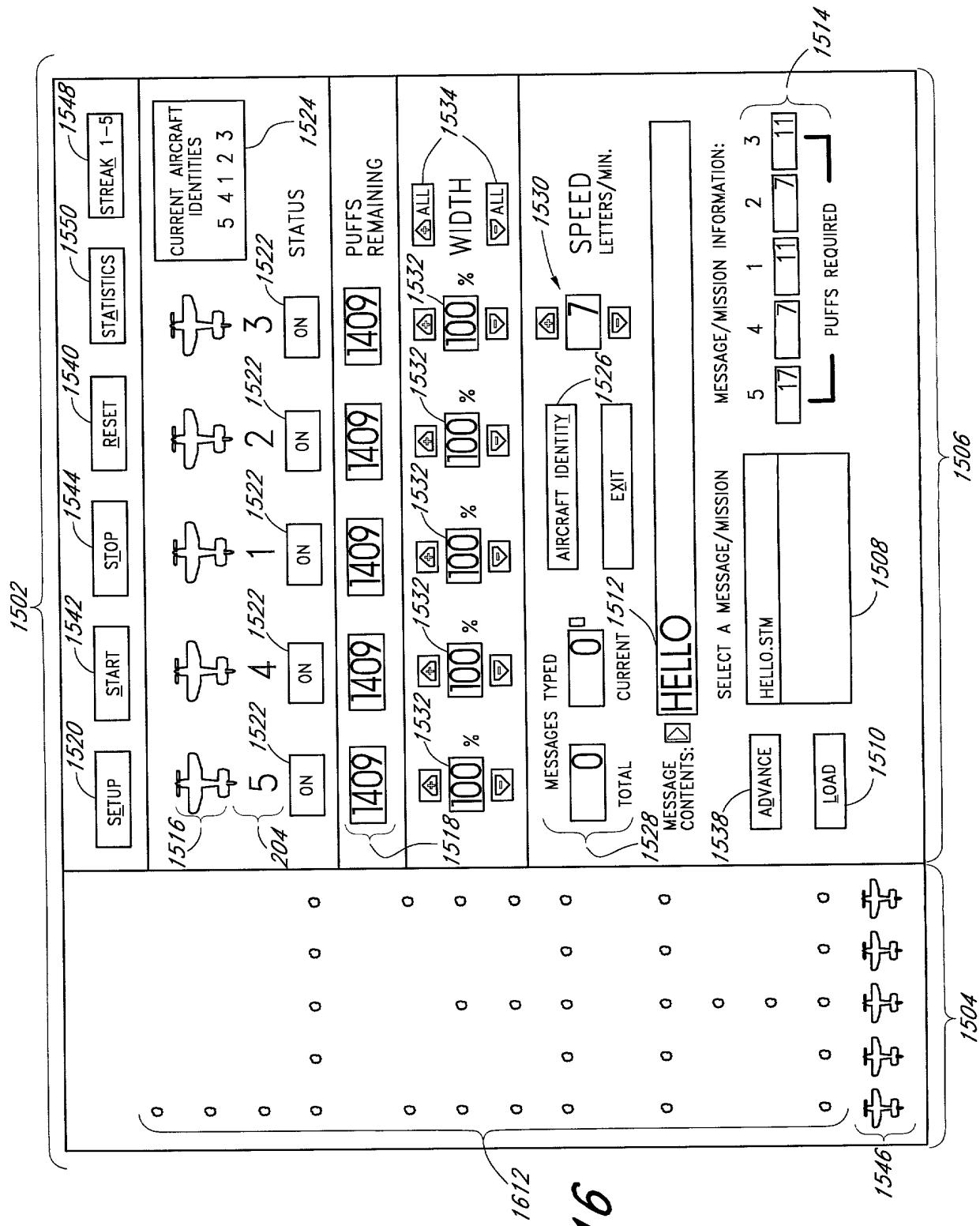


FIG. 16

1502

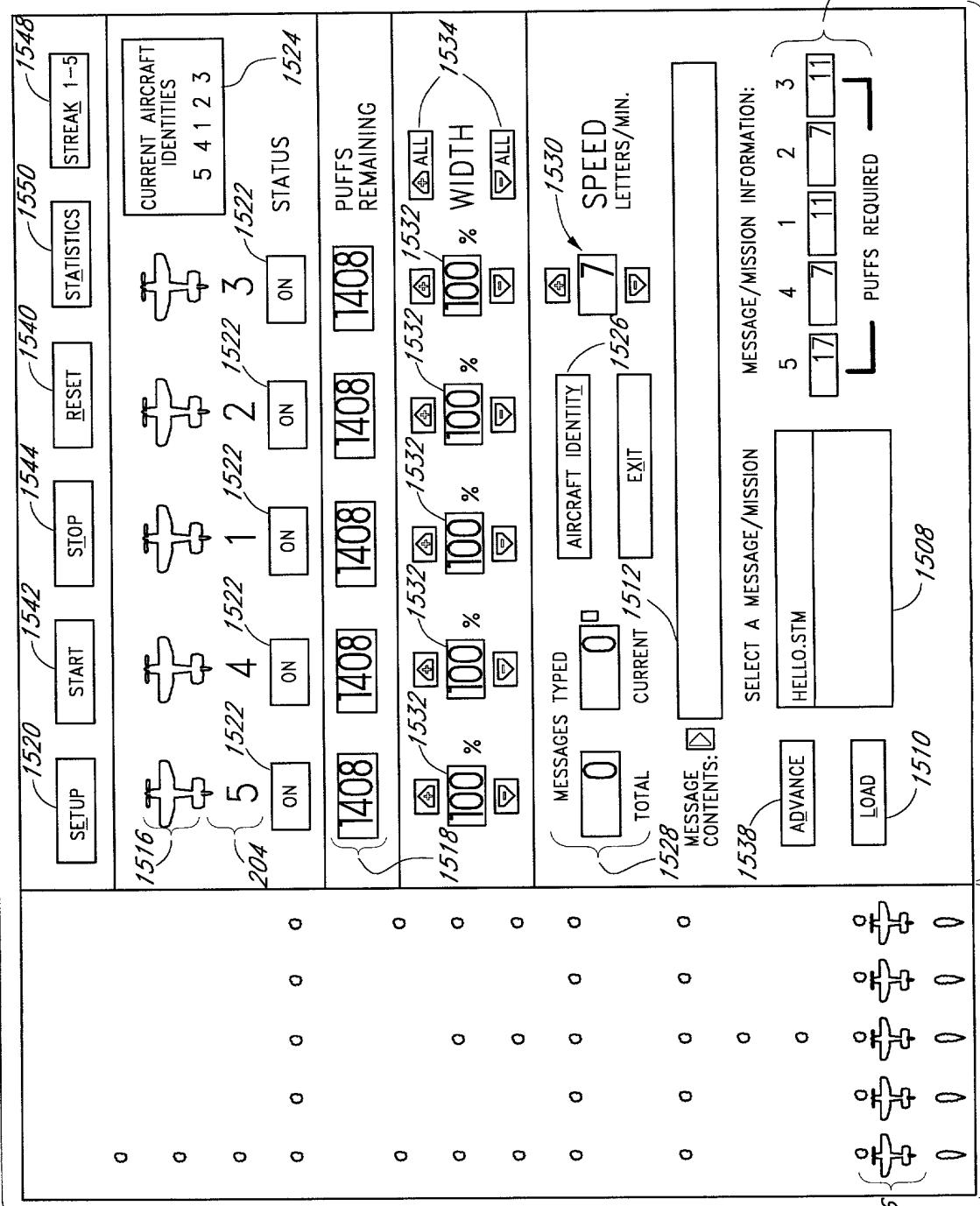


FIG. 17

1502

FIG. 18

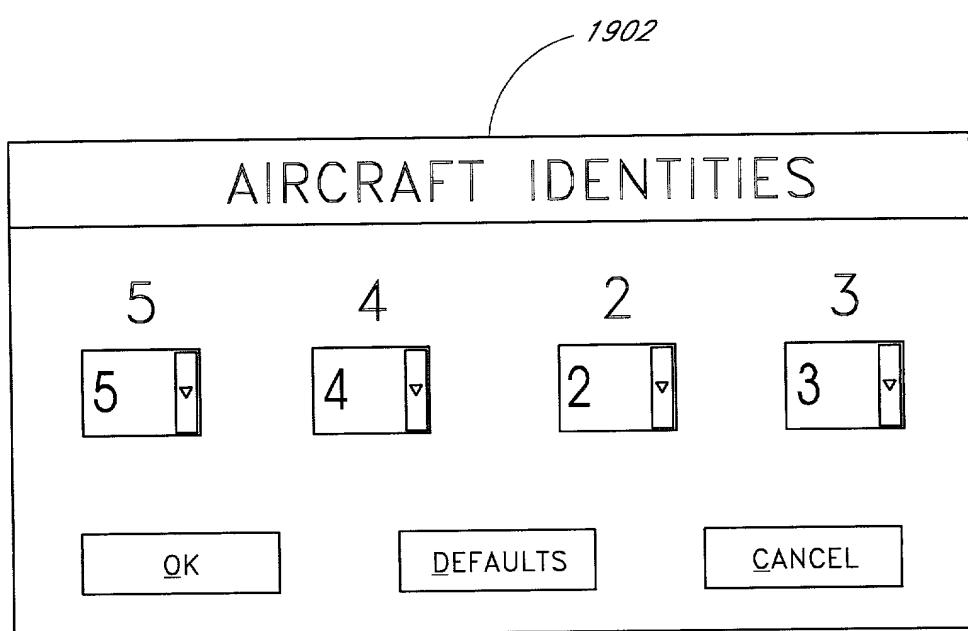


FIG. 19A

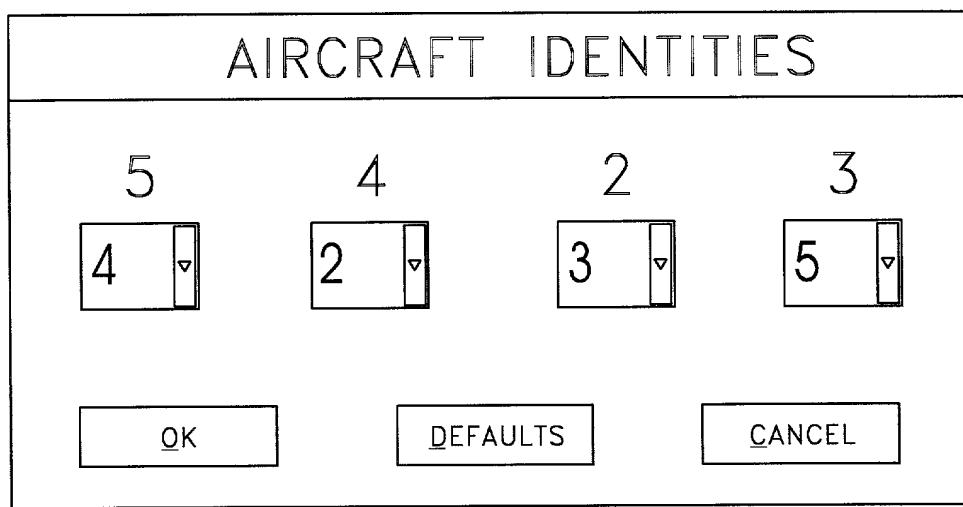


FIG. 19B

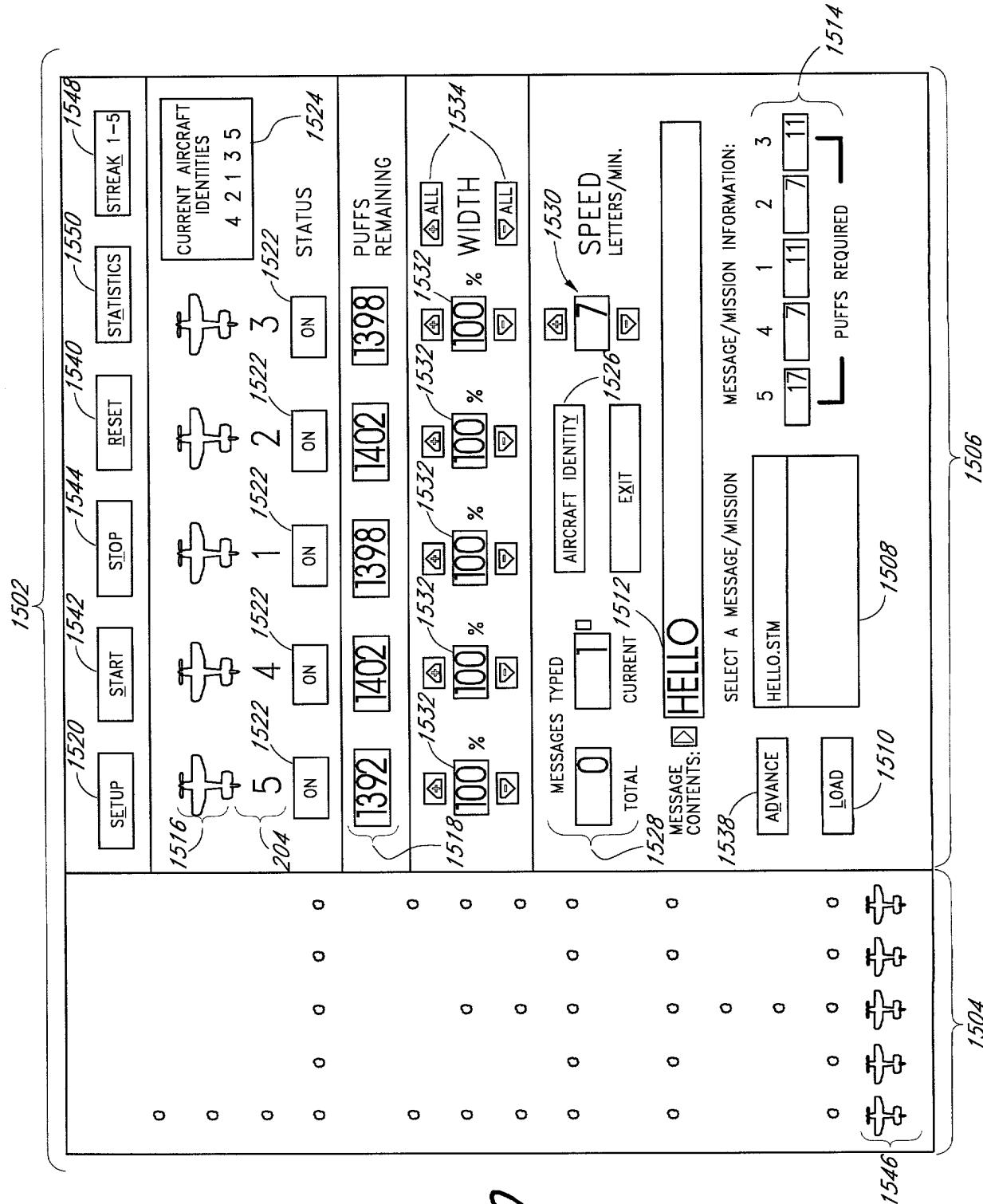


FIG. 20

2102

| | | | | | | | | | | | | | | | | | |
|---|---|------|------|------|------|------|------|----|---|----|---|----|----|---|----|---|----|
| <p>MESSAGES LOADED</p> <p>1</p> <p>HELLO</p> | <p>MESSAGES COMPLETED</p> <p>1</p> <p>HELLO</p> | | | | | | | | | | | | | | | | |
| <p>5 4 1 2 3 6</p> <p>— PUFFS REMAINING IN ACTUAL AIRCRAFT —</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>1392</td> <td>1402</td> <td>1398</td> <td>1402</td> <td>1398</td> <td>1409</td> </tr> </table> <p>— TOTAL PUFFS REQUIRED —</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>17</td> <td>7</td> <td>11</td> <td>7</td> <td>11</td> </tr> </table> <p>— PUFFS COMPLETED —</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>17</td> <td>7</td> <td>11</td> <td>7</td> <td>11</td> </tr> </table> <p style="text-align: center;">OK</p> | | 1392 | 1402 | 1398 | 1402 | 1398 | 1409 | 17 | 7 | 11 | 7 | 11 | 17 | 7 | 11 | 7 | 11 |
| 1392 | 1402 | 1398 | 1402 | 1398 | 1409 | | | | | | | | | | | | |
| 17 | 7 | 11 | 7 | 11 | | | | | | | | | | | | | |
| 17 | 7 | 11 | 7 | 11 | | | | | | | | | | | | | |

FIG.21

FIG.22

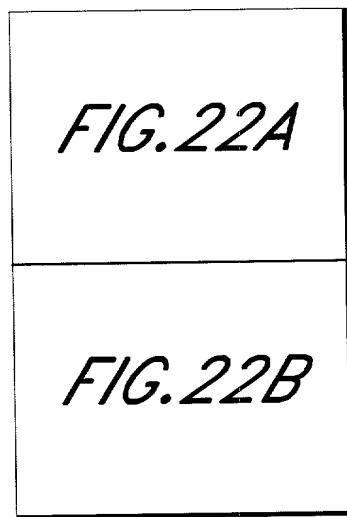
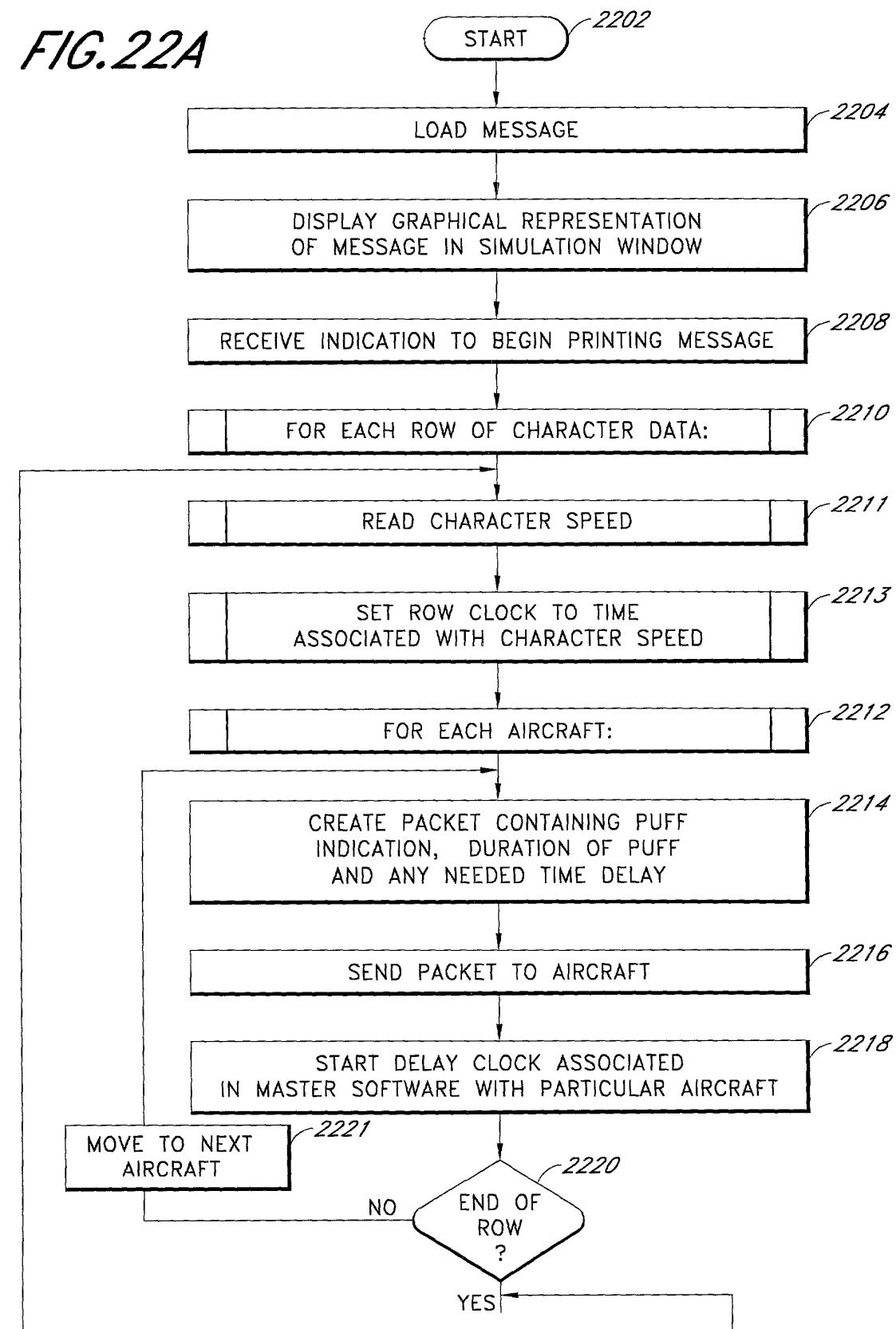


FIG.22A



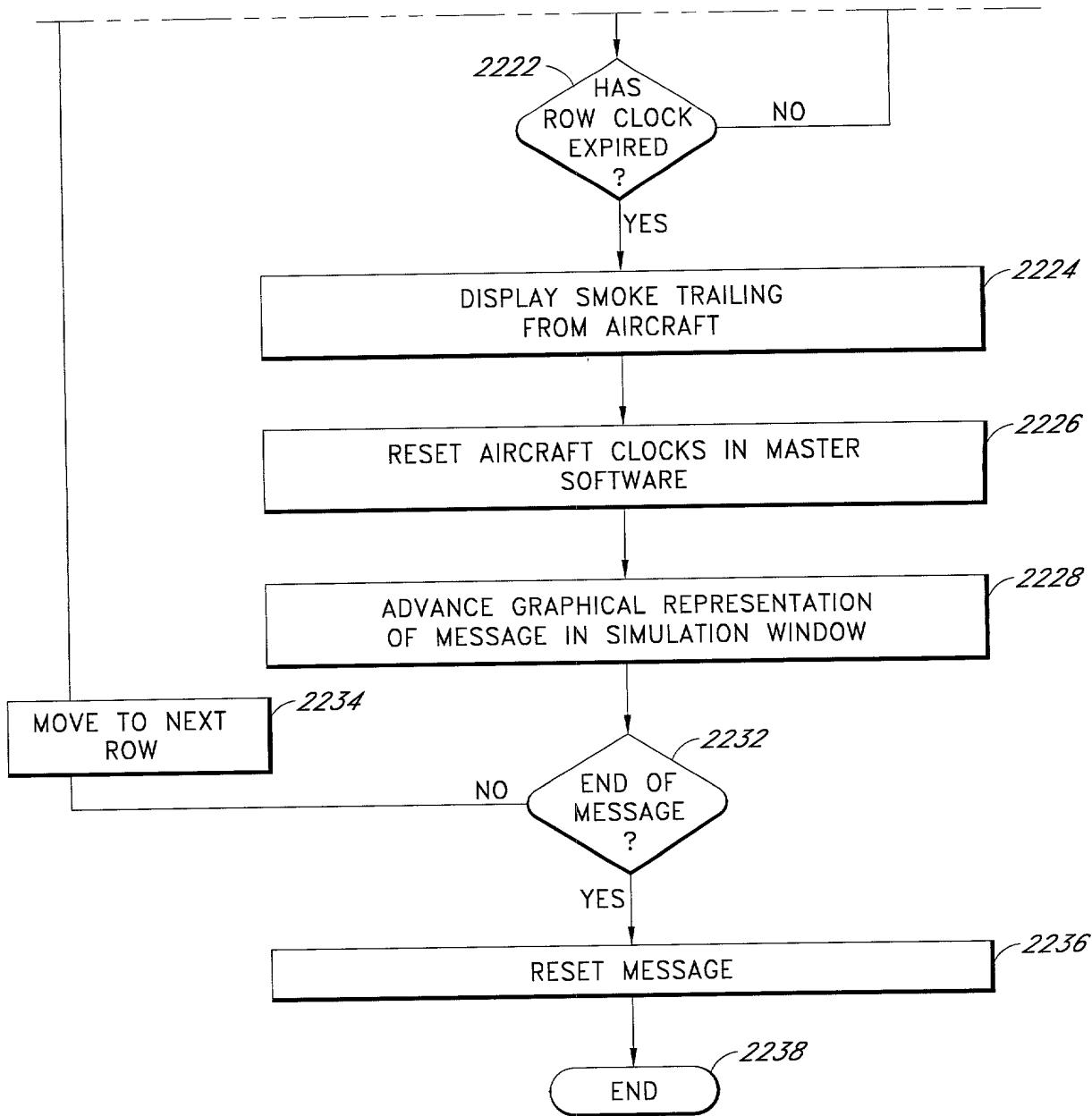


FIG.22B

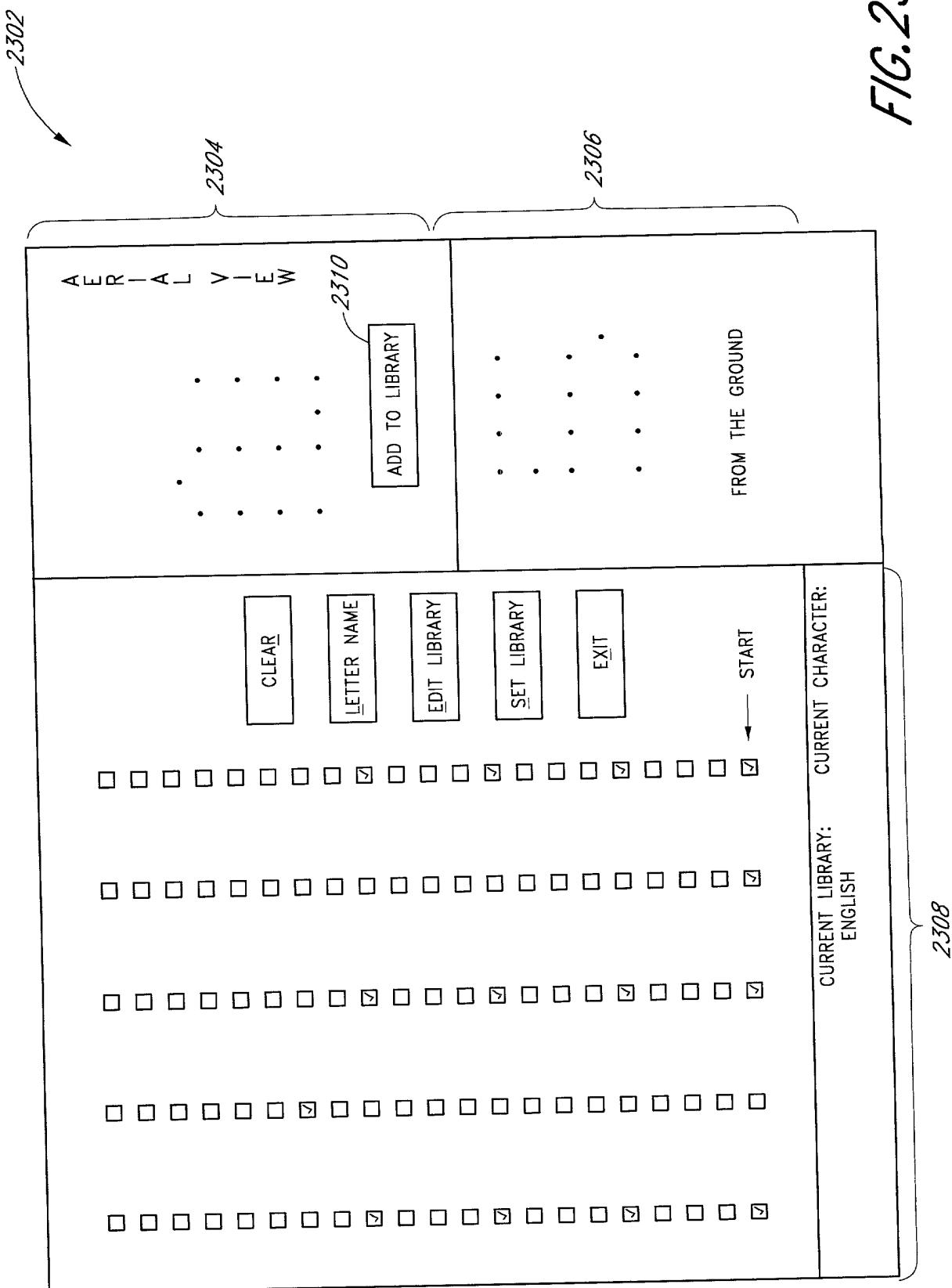


FIG. 23

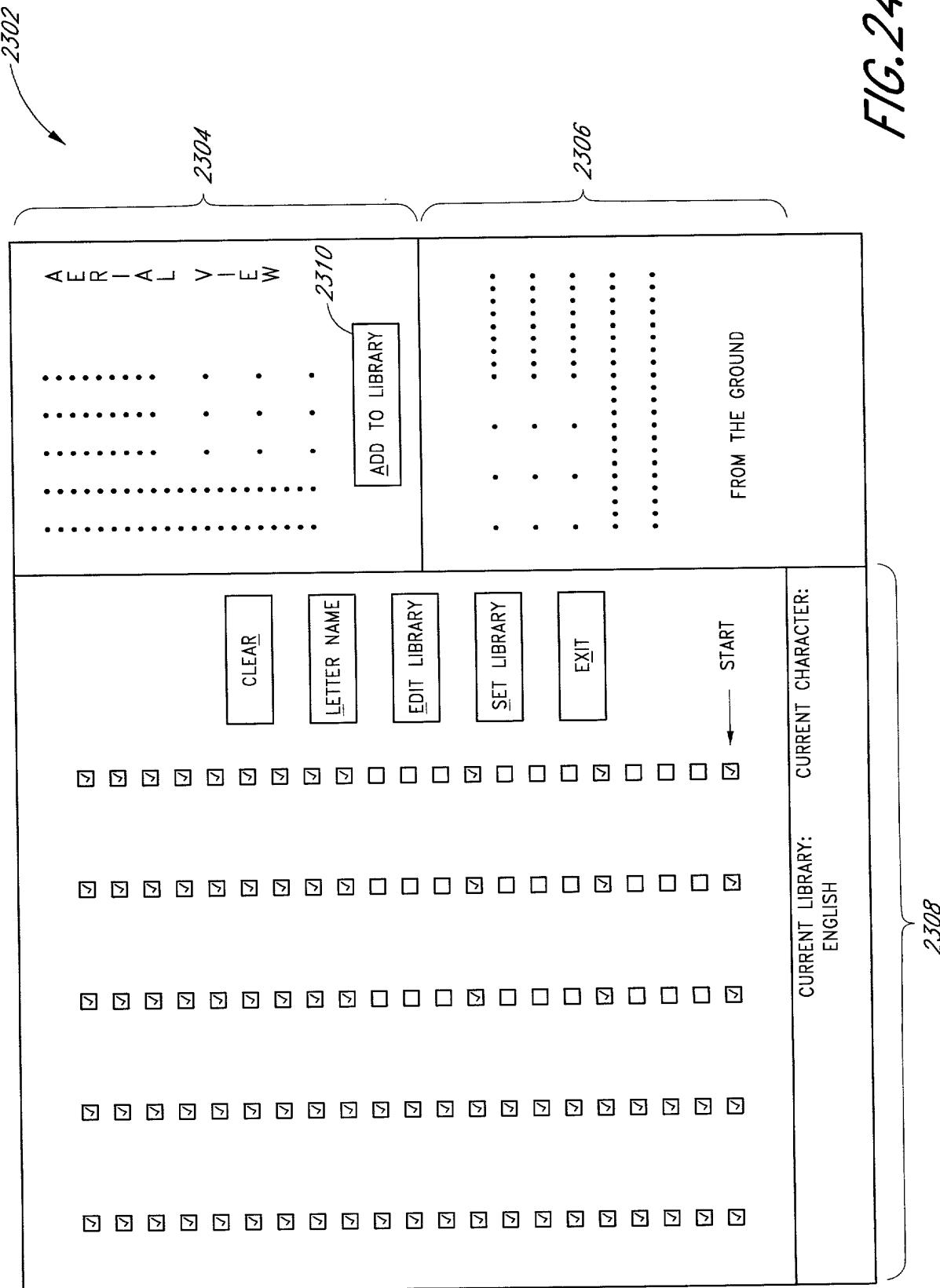


FIG. 24

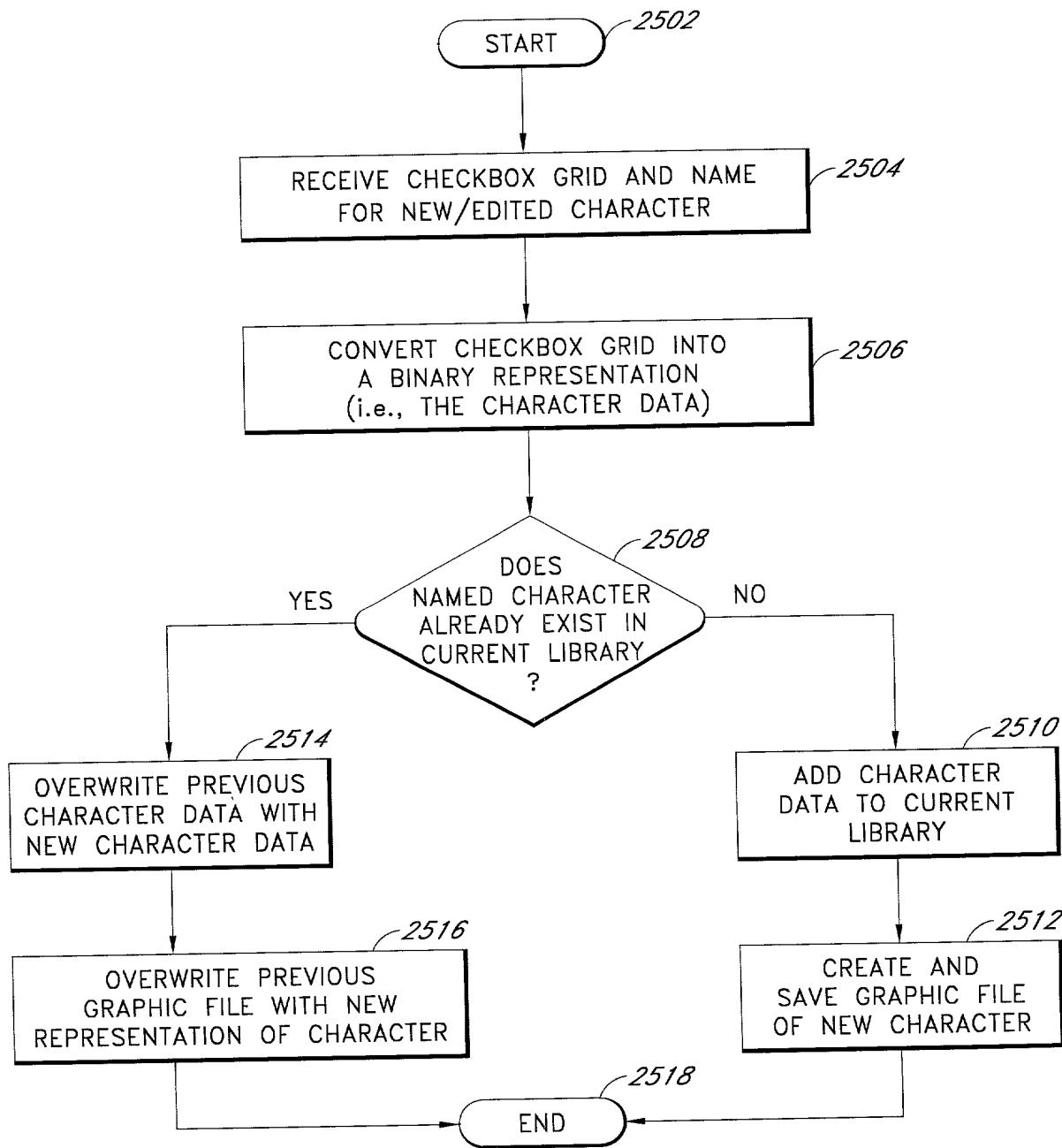


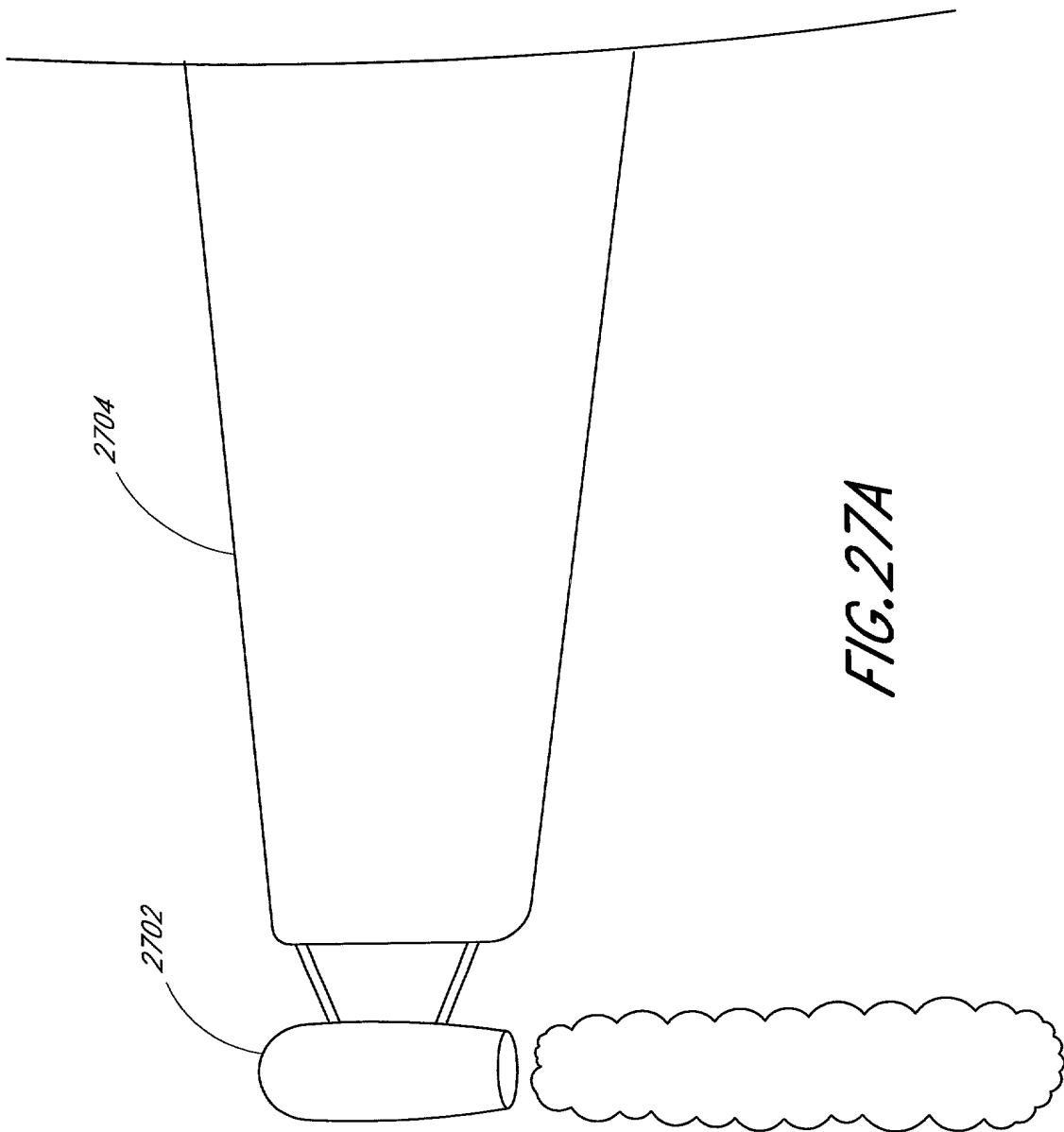
FIG.25

2602

| CURRENT AIRCRAFT PROFILE: DEFAULT.STP | | | | | |
|--|--|--|--|--|--|
| ASSIGNED ADDRESSES: | 5 | 4 | 3 | 2 | 6 |
| ASSIGNED ADDRESSES: | <input type="text" value="1.1.1.5"/> <input checked="" type="checkbox"/> |
| TOTAL YOUR CAPACITY: | <input type="text" value="21"/> |
| VOLUME OF ONE PUFF: | <input type="text" value="0.0149"/> |
| AIRCRAFT IMAGE: | <input type="text" value="f-6ico"/> <input checked="" type="checkbox"/> |
| WIDTH SYNC: | <input type="text" value="0"/> |
| DEFAULT WIDTH: | <input type="text" value="100"/> |
| SLAVE PUFF DELAY(mSEC): | <input type="text" value="0"/> |
| MASTER SEND DELAY(mSEC): | <input type="text" value="0"/> |
| MASTER RANGE DELAY(mSEC): | <input type="text" value="8000"/> |
| SLAVE RANGE DELAY(mSEC): | <input type="text" value="10000"/> |
| AIRCRAFT PROFILES: | | | | | |
| <input type="text" value=""/> | | <input type="text" value=""/> | <input type="text" value=""/> | <input type="text" value=""/> | <input type="text" value=""/> |
| LOAD | | | | | |
| DELETE | | | | | |
| DEFAULT MESSAGE SPEED: | | | | | |
| <input type="text" value=""/> | | <input type="text" value=""/> | <input type="text" value=""/> | <input type="text" value=""/> | <input type="text" value=""/> |
| 7 <input checked="" type="checkbox"/> | | | | | |
| VOICE INFORMATION <input type="checkbox"/> | | | | | |
| SAVE <input type="button"/> | | | | | |
| DEFAULTS <input type="button"/> | | | | | |
| CANCEL <input type="button"/> | | | | | |
| SWEEP-BACK ANGLE FROM FRONTLINE <input type="text" value="0"/> <input checked="" type="checkbox"/> | | | | | |
| LATERAL DISTANCE BETWEEN AIRCRAFT IN FEET <input type="text" value="300"/> <input checked="" type="checkbox"/> | | | | | |
| AIRSPEED OF FORMATION IN KNOTS <input type="text" value="100"/> <input checked="" type="checkbox"/> | | | | | |
| AIRSPEED OF FORMATION IN MPH <input type="text" value="115"/> <input checked="" type="checkbox"/> | | | | | |

FIG. 26

FIG. 27A



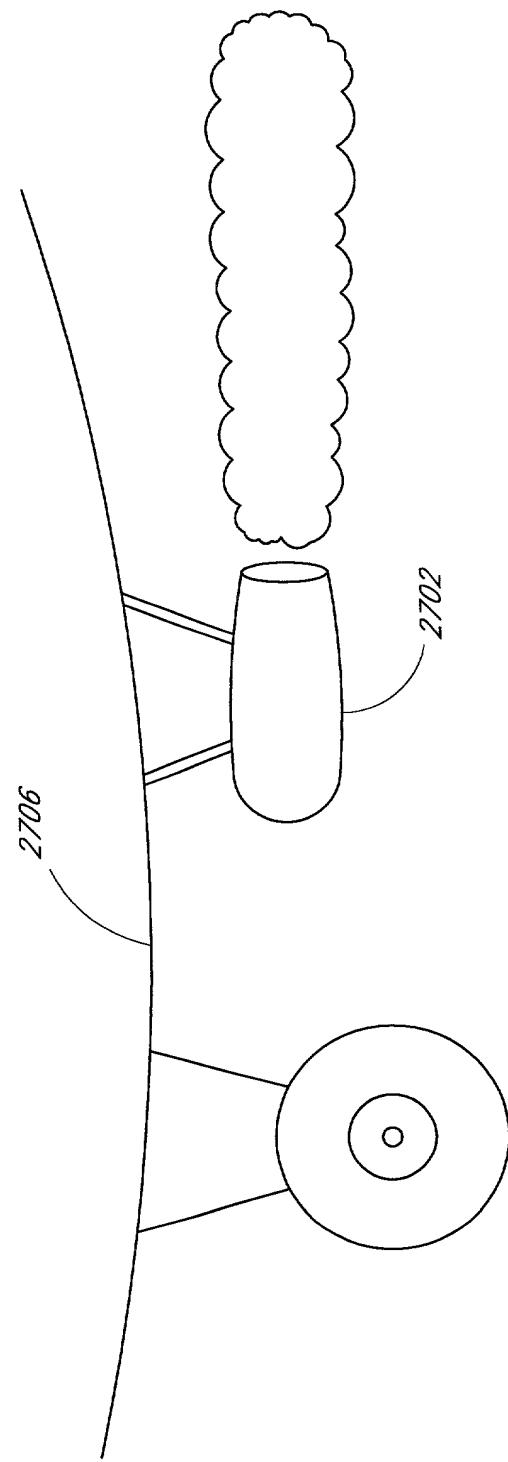


FIG. 27B

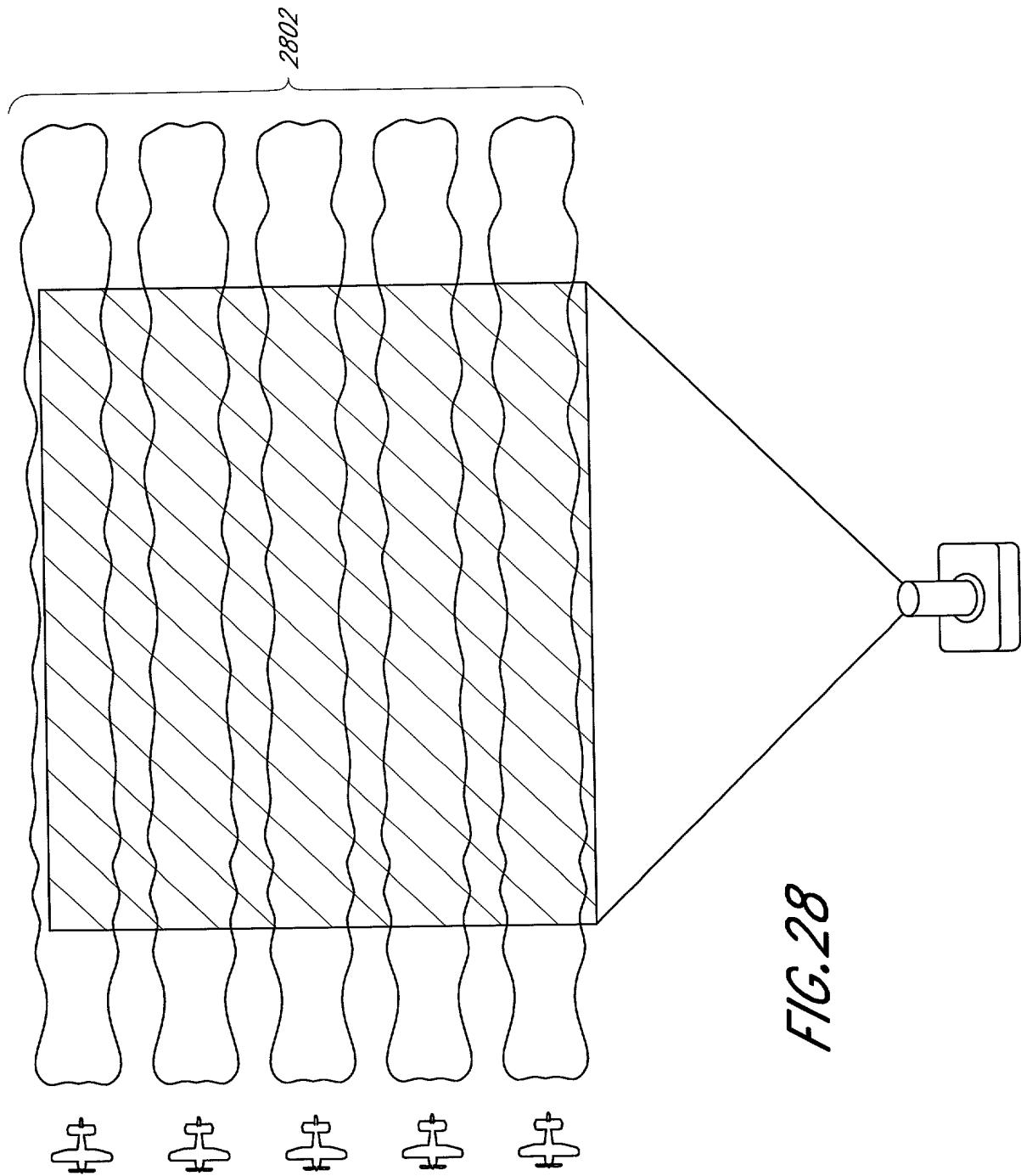


FIG. 28

2602

| CURRENT AIRCRAFT PROFILE: DEFAULT.STP | |
|---|---|
| ASSIGNED ADDRESSES: | <input type="text" value="1.1.1.5"/> <input checked="" type="checkbox"/> 1.1.1.5 |
| TOTAL YOUR CAPACITY: | <input type="text" value="21"/> <input type="text" value="21"/> <input checked="" type="checkbox"/> 1.1.1.5 |
| VOLUME OF ONE PUFF: | <input type="text" value="0.0149"/> <input type="text" value="0.0149"/> <input checked="" type="checkbox"/> 1.1.1.5 |
| AIRCRAFT IMAGE: | <input type="text" value="f-6ICO"/> <input checked="" type="checkbox"/> f-6ICO |
| WIDTH SYNC: | <input type="text" value="0"/> <input checked="" type="checkbox"/> f-6ICO |
| DEFAULT WIDTH: | <input type="text" value="100"/> <input type="text" value="100"/> <input checked="" type="checkbox"/> f-6ICO |
| SLAVE PUFF DELAY(mSEC): | <input type="text" value="0"/> <input type="text" value="0"/> <input checked="" type="checkbox"/> f-6ICO |
| MASTER SEND DELAY(mSEC): | <input type="text" value="72.896"/> <input type="text" value="36.448"/> <input checked="" type="checkbox"/> f-6ICO |
| MASTER RANGE DELAY(mSEC): | <input type="text" value="8000"/> <input type="text" value="8000"/> <input checked="" type="checkbox"/> f-6ICO |
| SLAVE RANGE DELAY(mSEC): | <input type="text" value="10000"/> <input type="text" value="10000"/> <input checked="" type="checkbox"/> f-6ICO |
| AIRCRAFT PROFILES: | |
| AIRCRAFT PROFILES: | <input type="text"/> <input checked="" type="checkbox"/> f-6ICO |
| LOAD | <input type="text"/> <input checked="" type="checkbox"/> f-6ICO |
| DELETE | <input type="text"/> <input checked="" type="checkbox"/> f-6ICO |
| DEFAULT MESSAGE SPEED: | |
| AIRSPED OF FORMATION IN MPH | <input type="text" value="200"/> <input checked="" type="checkbox"/> f-6ICO |
| KNOTS | <input type="text" value="174"/> <input checked="" type="checkbox"/> f-6ICO |
| VOICE INFORMATION | |
| SAVE | <input checked="" type="checkbox"/> f-6ICO |
| DEFAULTS | <input type="checkbox"/> f-6ICO |
| CANCEL | <input type="checkbox"/> f-6ICO |
| SWEET-BACK ANGLE FROM FRONTLINE | |
| LATERAL DISTANCE BETWEEN AIRCRAFT IN FEET | <input type="text" value="15"/> <input checked="" type="checkbox"/> f-6ICO |
| AIRSPED OF FORMATION IN MPH | <input type="text" value="200"/> <input checked="" type="checkbox"/> f-6ICO |
| KNOTS | <input type="text" value="174"/> <input checked="" type="checkbox"/> f-6ICO |

FIG. 29